

Recombinant Human TNFSF13B Protein

Cat. No. TNFSF13B-256H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF13B Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	B cell-activating factor (BAFF), or B lymphocyte stimulator (BLyS), is a type II member of the tumor necrosis factor (TNF) superfamily. BAFF is expressed as a transmembrane protein on T cells, macrophages, and dendritic cells. The transmembrane domain of BAFF can also be cleaved to produce a soluble protein fragment. BAFF binds to the TNF receptors known as B cell maturation antigen (BCMA), transmembrane activator and CAML interactor (TACI), and BAFF receptor (BAFFR). BAFF is important for the survival and maturation of peripheral B cells. Human BAFF shows activity on mouse splenocytes.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 18.5 kDa (163 aa)
AA Sequence	MHHHHHHLVPRAVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSAL EKENKILVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMP ETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL
Endotoxin	≤1 EUs/μg, Kinetic LAL

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Purity	≥90%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	TNFSF13B tumor necrosis factor (ligand) superfamily, member 13b [Homo sapiens (human)]
Official Symbol	TNFSF13B
Synonyms	TNFSF13B; tumor necrosis factor (ligand) superfamily, member 13b; TNFSF20; tumor necrosis factor ligand superfamily member 13B; BAFF; BLYS; CD257; TALL 1; TALL1; THANK; delta BAFF; Delta4 BAFF; B-lymphocyte stimulator; B-cell-activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic

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cell-derived TNF-like molecule; tumor necrosis factor-like protein ZTNF4; TNF and ApoL-related leukocyte expressed ligand 1; tumor necrosis factor (ligand) superfamily, member 20; DTL; ZTNF4; TALL-1;

Gene ID 10673

mRNA Refseq NM_001145645

Protein Refseq NP_001139117

MIM 603969

UniProt ID Q9Y275

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